

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L3 | 8 | transmit adj2 diversity same (beamforming adj2 weight\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 14:33 |
| L4 | 8 | (transmit adj2 diversity) same (beamforming adj2 weight\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 14:35 |
| L5 | 8 | 4 and (combin\$3 or add\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 14:33 |
| L6 | 2 | 5 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 14:34 |
| L7 | 7 | (transmit adj2 diversity) same (combin\$3 adj2 beamforming) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 15:44 |
| L8 | 7 | 7 and (beamforming adj2 weight\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 14:35 |
| L9 | 2 | 8 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 15:37 |
| L10 | 2 | 9 and summ\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 15:37 |
| L11 | 1 | 9 and sum | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 15:37 |

| | | | | | | |
|-----|----|--|---|----|-----|------------------|
| L12 | 84 | (combin\$3 adj2 beamforming) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 15:45 |
| L13 | 18 | 12 and (beamforming adj2 weight\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 15:45 |
| L14 | 10 | 13 and (transmit adj2 diversity) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 15:46 |
| L15 | 10 | 14 and (combiner or add\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 15:46 |
| L16 | 2 | 15 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 16:57 |
| L17 | 11 | select\$3 near (beamforming adj2 weight\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:01 |
| L18 | 4 | 17 and (transmit adj2 diversity) and (signal adj2 noise adj2 ratio) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 16:58 |
| L19 | 0 | 18 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 16:59 |
| L20 | 4 | 17 and (transmit adj2 diversity) and ((signal adj2 noise adj2 ratio) or sinr or snr) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 16:58 |
| L21 | 0 | 16 and ((signal adj2 noise adj2 ratio) or sinr or snr) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:05 |

| | | | | | | |
|-----|----|--|---|----|-----|------------------|
| L22 | 24 | (beamforming adj2 weight\$1) same ((signal adj2 noise adj2 ratio) or sinr or snr) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 16:59 |
| L23 | 2 | 22 and (transmit adj2 diversity) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 16:59 |
| L24 | 13 | 22 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:05 |
| L25 | 11 | 24 and average | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:17 |
| L26 | 0 | 25 and (select\$3 near (beamforming adj2 weight\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:03 |
| L27 | 3 | 22 and (select\$3 near (beamforming adj2 weight\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:02 |
| L28 | 1 | 27 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:02 |
| L29 | 2 | 375/267.ccls. and (select\$3 near (beamforming adj2 weight\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:04 |
| L30 | 3 | "375"/.ccls. and (select\$3 near (beamforming adj2 weight\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:04 |
| L31 | 3 | "375"/.ccls. and ((select\$3 or choose or pick) near (beamforming adj2 weight\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:04 |

| | | | | | | |
|-----|-----|--|---|----|-----|------------------|
| L32 | 1 | 31 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:30 |
| L33 | 0 | 32 and ((signal adj2 noise adj2 ratio) or sinr or snr) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:05 |
| L34 | 0 | "6650881".pn. and (cyclic adj2 prefix) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:17 |
| L35 | 19 | beamforming and (cyclic adj2 prefix) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:18 |
| L36 | 6 | 35 and (transmit adj2 diversity) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:18 |
| L37 | 0 | 36 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:18 |
| L38 | 268 | mc adj2 cdma | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:18 |
| L39 | 2 | 38 and (beamforming and (cyclic adj2 prefix)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:21 |
| L40 | 2 | (beamforming with (cyclic adj2 prefix)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:21 |
| L41 | 2 | (transmit adj2 diversity) with (cyclic adj2 prefix) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:27 |

| | | | | | | |
|-----|----|---|---|----|-----|------------------|
| L42 | 0 | "6351499".pn. and (cyclic adj2 prefix) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:27 |
| L43 | 1 | "6351499".pn. and (beamforming) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:29 |
| L44 | 73 | (transmit adj2 antenna\$1) with beamform\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:30 |
| L45 | 12 | 44 and (beamform\$3 adj2 weight\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:59 |
| L46 | 2 | 45 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:30 |
| L47 | 1 | 370/310.ccls. and (beamform\$3 adj2 weight\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:59 |
| L48 | 1 | 375/299.ccls. and (beamform\$3 adj2 weight\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 17:59 |
| S1 | 2 | liang-ying-chang.in. and (((antenna or spatial) adj2 diversity) same beamforming) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 18:31 |
| S2 | 2 | chin-francois-po-shin.in. and (((antenna or spatial) adj2 diversity) same beamforming) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 11:12 |
| S3 | 0 | matsushita adj2 electric adj2 industrial\$.as. and (((antenna or spatial) adj2 diversity) same beamforming) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 11:13 |

| | | | | | | |
|-----|----|---|---|----|-----|------------------|
| S4 | 0 | matsushita adj2 electric adj2 industrial.as. and (((antenna or spatial) adj2 diversity) same beamforming) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 11:13 |
| S5 | 0 | 375/367.ccls. and (((antenna or spatial) adj2 diversity) same beamforming) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 11:13 |
| S6 | 4 | 375/267.ccls. and (((antenna or spatial) adj2 diversity) same beamforming) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 11:16 |
| S7 | 1 | S6 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 11:16 |
| S8 | 11 | 375/267.ccls. and (((transmit) adj2 diversity) same beamforming) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 11:16 |
| S9 | 6 | S8 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 14:32 |
| S10 | 0 | S9 and (pre adj2 equali\$5) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 11:19 |
| S11 | 0 | S9 and (equali\$5) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 11:19 |
| S12 | 1 | S9 and (zero adj2 forc\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 11:36 |
| S13 | 2 | "5592490".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 11:46 |

| | | | | | | |
|-----|---|--|---|----|-----|------------------|
| S14 | 2 | "5828658".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 11:47 |
| S15 | 2 | "5642353".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 15:28 |
| S16 | 3 | (US-5642353-\$ or US-5828658-\$ or US-5592490-\$).did. | USPAT | OR | OFF | 2004/11/15 15:55 |
| S17 | 0 | S16 and (pre adj2 equal\$5) | USPAT | OR | OFF | 2004/11/15 15:56 |
| S18 | 3 | S16 and (equal\$5) | USPAT | OR | OFF | 2004/11/15 15:55 |
| S19 | 0 | 375/367.ccls. and (pre adj2 equal\$5) | USPAT | OR | OFF | 2004/11/15 15:57 |
| S20 | 0 | 375/367.ccls. and (pre adj2 equal\$5) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 15:57 |
| S21 | 3 | 375/267.ccls. and (pre adj2 equal\$5) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 15:57 |
| S22 | 0 | S21 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 16:01 |
| S23 | 4 | (transmit adj2 diversity) same pre adj2 equal\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 15:58 |
| S24 | 4 | (transmit adj2 diversity) same (pre adj2 equal\$5) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 16:00 |
| S25 | 0 | S24 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 16:12 |

| | | | | | | |
|-----|-----|---|---|----|-----|------------------|
| S26 | 144 | (transmit adj2 diversity) same (equal\$5) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 16:00 |
| S27 | 165 | (transmit adj2 diversity) same (equal\$8) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 16:01 |
| S28 | 24 | S27 and (space adj2 time adj2 encod\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 16:02 |
| S29 | 7 | S28 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 16:02 |
| S30 | 74 | (transmit adj2 diversity) same (equal\$8) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 16:02 |
| S31 | 14 | S30 and (space adj2 time adj2 encod\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 16:02 |
| S32 | 4 | S31 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 16:02 |
| S33 | 0 | S21 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 16:58 |
| S34 | 10 | (frequency adj2 selective adj3 fad\$3) same (transmit adj2 diversity) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 16:58 |
| S35 | 1 | S34 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 16:56 |

| | | | | | | |
|-----|---|---|---|----|-----|------------------|
| S36 | 3 | (pre adj2 equaliz\$8) same (frequency adj2 selective adj3 fad\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 16:58 |
| S37 | 1 | S36 and @ad<"20010607" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 17:00 |
| S38 | 1 | S37 and select\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 17:02 |
| S39 | 0 | "6351499".pn. and fdd and training | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 18:35 |
| S40 | 0 | "6351499".pn. and (frequency adj2 division) and training | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 18:37 |
| S41 | 0 | "56425353".pn. and training | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 18:37 |
| S42 | 0 | "56425353".pn. and blind | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 18:41 |
| S43 | 0 | "56425353".pn. and (complex or real) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 18:43 |
| S44 | 0 | "56425353".pn. and (feed adj2 back) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/15 18:56 |